

**TECHNICAL DATA SHEET**

# Recombinant Human CCL8 (MCP-2) (Carrier-free)

Catalog Number: 21-8481

**RPx-Pro™ Recombinant Protein**

**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Human CCL8 (MCP-2) (Carrier-free)

**DESCRIPTION**

MCP-2, or CCL8, is a member of the CC chemokine family. MCP-2 plays a role in mediating both allergic and inflammatory responses and has chemotactic activity for monocytes, lymphocytes, basophils, and eosinophils.

**MOLECULAR MASS**

Recombinant Human MCP-2 is an 8.9 kDa protein containing 76 amino acid residues including the four highly conserved cysteine residues present in the CC chemokines.

**AMINO ACID SEQUENCE**

QPDSVSIPIT CCFNVINRKI PIQRLESYTR ITNIQCPKEA VIFKTKRGKE VCADPKERWV RDSMKHLDQI FQNLKP

**SOURCE**

E. Coli

**APPLICATIONS**

Bioassay

**PURITY**

98 %

**STORAGE**

-20°C

**PROTEIN CONTENT**

Content Verified by UV Spectroscopy and/or SDS-PAGE

**ENDOTOXIN LEVEL**

Endotoxin level is <0.1 ng/μg of protein (<1 EU/μg).

**AUTHENTICITY**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**CROSS REACTIVITY**

Hamster, Monkey, Mouse, Rat

**BIOACTIVITY**

Determined by its ability to chemoattract human peripheral blood monocytes using a concentration range of 10.0-100.0 ng/ml.

**RESEARCH AREAS**

Angiogenesis/Cardiovascular; Cancer; Chemotaxis; Immune System; Neurobiology; Wound Healing

**RECONSTITUTION**

See Certificate of Analysis (COA) for lot specific reconstitution information.

**REFERENCES**

Van Damme J, P Proost, JP Lenaerts, R Conings, G Opendakker and A Billiau 1993 Adv Exp Med Biol 351: 111-118. Noso N, P Proost, J Van Damme and JM Schröder 1994 Biochem Biophys Res Commun 200(3): 1470-1476. Alam R, P Forsythe, S Stafford, J Heinrich, R Bravo, P Proost and J Van Damme 1994 J Immunol 153(7): 3155-3159. Loetscher P, M Seitz, I Clark-Lewis, M Baggiolini and B Moser 1994 FASEB J 8(13): 1055-60. Proost P, A Wuyts and J Van Damme J Leukoc Biol 59(1): 67-74.

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